

Abstract

The invention relates to producing and processing liquid metal in metallurgy. The inventive tuyere device for introducing gaseous media under a liquid-metal layer comprises a nest block made of refractory material provided with a sleeve incorporated therein, coaxial metal tubes provided with at least one central operating channel and at least one annular operating channel which are arranged on the side thereof for entering a liquid metal and separately connected to inlets for supplying gaseous media to the metal. According to the invention, said coaxial metal tubes consist of two interconnected sections having different diameters. The first section has a smaller diameter and is used for supplying the gaseous media to the liquid metal. The second section has a larger diameter and is connected to said inlets for independent supplying the gaseous media to the operating channels of the first section. The second section is provided with an additional tube and with the annular operating channels only. The internal tube of said section is closed on the both ends thereof and filled with a refractory material, the spaces of said annular operating channels of the tuyere are embodied in the form of capillaries for the liquid metal. The invention provides a possibility to exclude a metal break through the operating channels.